

# INTERNATIONAL SEARCH REPORT

Intern: I Application No  
PCT/IB2004/052735

**A. CLASSIFICATION OF SUBJECT MATTER**  
IPC 7 H05B41/36

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 H05B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 973 455 A (MIRSKIY ET AL) 26 October 1999 (1999-10-26)	1,2,4,5, 14-18, 24-26
Y	column 3, line 9 - line 45  column 4, line 62 - column 5, line 7 column 5, line 60 - column 6, line 3; claims 6-14; figure 1	3,8,11, 19,21
X	EP 1 235 468 A (STMICROELECTRONICS, INC) 28 August 2002 (2002-08-28) paragraph '0016!	1,3,15, 24
Y	US 6 323 605 B1 (GREENBERG KENNETH ET AL) 27 November 2001 (2001-11-27)	3
A	column 4, line 51 - line 67; figure 4  -/--	1,15,24

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

\* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*&\* document member of the same patent family

Date of the actual completion of the international search

17 May 2005

Date of mailing of the international search report

30/05/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Henderson, R

# INTERNATIONAL SEARCH REPORT

Intern: I Application No  
PCT/IB2004/052735

## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 5 424 611 A (MORIARTY, JR. ET AL) 13 June 1995 (1995-06-13) claim 6	8
Y	US 4 935 669 A (NILSSEN ET AL) 19 June 1990 (1990-06-19) claims 7,8,11	11,19,21

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No  
PCT/IB2004/052735

Patent document cited in search report		Publication date		Patent family member(s)		Publication date
US 5973455	A	26-10-1999	EP WO	1078554 A1 9960825 A1		28-02-2001 25-11-1999
EP 1235468	A	28-08-2002	US EP	2002117976 A1 1235468 A2		29-08-2002 28-08-2002
US 6323605	B1	27-11-2001	US AU WO	6169376 B1 3870000 A 0069223 A1		02-01-2001 21-11-2000 16-11-2000
US 5424611	A	13-06-1995	NONE			
US 4935669	A	19-06-1990	US	5608291 A		04-03-1997